

## CV

**Ahmad M. Dagamseh**

**Associate Professor, Electronics Engineering Department, Hijjawi Faculty for Engineering Technology-Yarmouk University**

### EDUCATION

Degree	Discipline	Institution	Year
Ph.D.	Electrical Engineering	Twente University, The Netherlands	2011
M.S.	Microelectronics	Delft University of Technology, The Netherlands	2007
B.S.	Electronics Engineering	Yarmouk University, Jordan	2004

### ACADEMIC EXPERIENCE

- Yarmouk University-Jordan, teaching & Research Assistant, 2004-2005, Full time.
- Twente University, The Netherlands, teaching & Research Assistant, 2007-2011, Full time.
- Yarmouk University, Jordan, assistant Professor, 2012-2017, Full time.
- Yarmouk University, Jordan, associate Professor, 2017-to-date, Full time.
- Yarmouk University, Jordan, head of Electronics Department, 2014-2016 and 2018-2019 Full time.
- Yarmouk university, Jordan, final projects and field training supervisor.
- Yarmouk university, Jordan, member of the Committee for Monitoring and Advising of student affairs.
- Yarmouk university, Jordan, member of the Examining Committee of Field Training students and graduation projects.

### PROFESSIONAL SOCIETY MEMBERSHIP

- Jordan Engineers Association (JEA) since 2004.

### HONORS AND AWARDS

- A scholarship for Master and PhD in The Netherlands, granted from Yarmouk University Jordan, 2005-2011.
- A top-talent scholarship for master granted from Delft University of Technology / The Netherlands (2005-2007).
- Awarded many Travel grants during the Ph.D. period to attend conferences in Europe and USA.
- Awards from Yarmouk University for excellence in education (Honor List at Yarmouk University, Jordan (in recognition of academic excellence in B.A.)).
- A scholarship for the bachelor degree in Jordan granted from Jordanian government (1999-2004).

### SERVICE ACTIVITIES

- Engineering faculty council member, Yarmouk University, Jordan, (2013 – 2016).
- Member and head of several department committees, 2012 to present.
- Member of courses validation committee for transfer students.
- Member of the faculty library committee.
- Peer technical reviewer of the several international journals (International Journal of Automation and Computing, Bioinspiration & Biomimetics, Smart Materials and Structures, Dirasat / Jordan University).

### FUNDED RESEARCH GRANTS

- Research grant from the Deanship of Higher Education & Scientific Research-Yarmouk University- Jordan, 2017-2019.

- Research grant from the Deanship of Higher Education & Scientific Research-Yarmouk University- Jordan, 2020-2022.
- Research grant from the Scientific Research Support Fund (SRF)/Ministry of higher education - Jordan, 2017-2019.

### SELECTED PUBLICATIONS

- (1) A. Ababneh, A.N. Al-Omari, **A.M.K. Dagamseh**, M. Tantawi, C. Pauly, F. Mücklich, D. Feili, H. Seidel, "Electrical and morphological characterization of platinum thin-films with various adhesion layers for high temperature applications", *Microsystem Technologies*, (2015), DOI 10.1007/s00542-015-2715-0.
- (2) **A. M. K. Dagamseh**, "Estimation of squeeze film damping in artificial hair-sensor towards the detection-limit of crickets' hairs", *Microsystem Technologies*, Vol. 20, Issue: 4, pp. 963-970, (2014), DOI 10.1007/s00542-014-2099-6.
- (3) **A.M.K. Dagamseh**, R. J. Wiegerink, T.S. J. Lammerink, G. J. M. Krijnen, "Imaging dipole flow sources using an artificial lateral-line system made of biomimetic hair flow sensors", *Journal of The Royal Society Interface*, Vol. 10, Issue: 83, pp. 20130162, (2013), DOI: 10.1098/rsif.2013.0162.
- (4) **A.M.K. Dagamseh**, R. J. Wiegerink, T. S. J. Lammerink and G. J. M. Krijnen, "Towards a high-resolution flow camera using artificial hair sensor arrays for flow pattern observations", *Bioinspiration & Biomimetics*, Vol. 7, Issue: 4, pp. 046009, (2012), DOI: 10.1088/1748-3182/7/4/046009.
- (5) **A.M.K. Dagamseh**, B. Vet, F.D. Tichelaar, P. Sutta, M. Zeman, "ZnO:Al films prepared by rf magnetron sputtering applied as back reflectors in thin-film silicon solar cells", *Thin solid films*, Vol. 516, Issue: 21, pp. 7844-7850, (2008), DOI: 10.1016/j.tsf.2008.05.009.
- (6) **A.M.K. Dagamseh**, B. Vet, P. Šutta, M. Zeman, "Modelling and optimization of a-Si:H solar cells with ZnO:Al back reflector", *Solar Energy Materials and Solar Cells*, Vol. 94, Issue: 12, pp. 2119-2123 (2010), DOI: 10.1016/j.solmat.2010.06.039.
- (7) **A.M.K. Dagamseh**, C. M. Bruinink, R. J. Wiegerink, T. S. J. Lammerink and G. J. M. Krijnen, "Interfacing of differential-capacitive biomimetic hair flow-sensors for optimal sensitivity", *Journal of Micromechanics and Microengineering*, Vol. 23, Issue: 3, pp. 035010, (2013), DOI: 10.1088/0960-1317/23/3/035010.
- (8) **A.M.K. Dagamseh**, "Investigation of Pull-in Voltage in Artificial Hair-Sensor", *Proceedings of International Conference on Solid-State Sensors, Actuators and Microsystems*, 25-26, January, 2016, Istanbul, Turkey, pp. 2941-2944, ISSN:1307-6892.
- (9) **A.M.K. Dagamseh**, "Array of Biomimetic Hair Sensor Dedicated for Flow Pattern Recognition" In: DTIP-2010 - Symposium on Design, Test, Integration & Packaging of MEMS/MOEMS, 4-7 May 2010, Sevilla-Spain.
- (10) **A.M.K. Dagamseh**, "Engineering of Biomimetic Hair-Flow Sensor Arrays Dedicated to High-Resolution Flow Field Measurements" In: IEEE Sensors 2010 conference, 1-4 November 2010, Hawaii – USA.

### PROFESSIONAL DEVELOPMENT ACTIVITIES

- A workshop on "How to Prepare the Faculty Academic File for Promotion Purpose", held by Prof. Ziad Al-Saad-vice president for Academic Affairs-Yarmouk University-Jordan.
- A seminar on "Exponential thinking", held by Hijjawi faculty, Jordan, 2017.